

Product datasheet for KN203447LP

OriGene Technologies, Inc.

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NGLY1 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control

Donor DNA: Luciferase-Puro

Symbol: NGLY1 Locus ID: 55768

Components: KN203447G1, NGLY1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN203447G2, NGLY1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN203447LPD, donor DNA containing left and right homologous arms and Luciferase-Puro

functional cassette.

GE100003, scramble sequence in pCas-Guide vector

Disclaimer: These products are manufactured and supplied by OriGene under license from ERS. The kit is

designed based on the best knowledge of CRISPR technology. The system has been functionally validated for knocking-in the cassette downstream the native promoter. The efficiency of the knock-out varies due to the nature of the biology and the complexity of the

experimental process.

RefSeq: <u>NM 001145293, NM 001145294, NM 001145295, NM 018297</u>

UniProt ID: Q96IV0

Synonyms: CDDG; CDG1V; PNG1; PNGase

Summary: This gene encodes an enzyme that catalyzes hydrolysis of an N(4)-(acetyl-beta-D-

glucosaminyl) asparagine residue to N-acetyl-beta-D-glucosaminylamine and a peptide containing an aspartate residue. The encoded enzyme may play a role in the proteasomemediated degradation of misfolded glycoproteins. Multiple transcript variants encoding

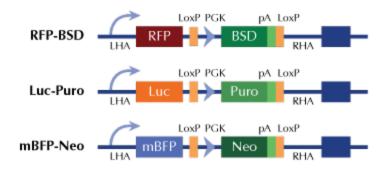
different isoforms have been found for this gene.[provided by RefSeq, Feb 2009]





Product images:

Donor Vector Edited Chromosome



RFP, Luc, and mBFP will be under native gene promoter